

CORROSION- AND CHIP-RESISTANT COATINGS FOR HIGH TENSILE STEEL

Abstract of the Disclosure

Corrosion- and chip-resistant coatings for high tensile steel components, such as automotive coil springs, are formed from a coating powder composition of "toughened" epoxy resin. In a single coat embodiment, the entire coating is loaded with at least 75 phr zinc powder. In a dual coat embodiment, an inner coat is loaded with at least 75 phr zinc and an outer, zinc-free coating is reinforced by the addition of fibers and/or by a foaming agent which renders it porous.

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